

For: METHOD AND APPARATUS FOR CHARGED  
PARTICLE BEAM EXPOSURE

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows.

## IN THE CLAIMS

Rewrite claim 13 as follows:


13. (Amended) The apparatus for charged particle beam exposure according to claim 9,

wherein said exposure dose data is converted into a binary number, and connection is made between output of the binary number, each digit thereof having a weight at a power of 2, and a plurality of said charged particle beam sources in said matrix state, each having a weight in a ratio of a power of 2, such that the weights of each digit of the output and each said charged particle beam source coincide with each other.

**REMARKS**

Examination is requested.

Respectfully submitted,

  
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**MARKED UP VERSION OF REWRITTEN CLAIMS**

13. (Amended) The apparatus for charged particle beam exposure according to [any one of] claim 9 [and 10],

wherein said exposure dose data is converted into a binary number, and connection is made between output of the binary number, each digit thereof having a weight at a power of 2, and a plurality of said charged particle beam sources in said matrix state, each having a weight in a ratio of a power of 2, such that the weights of each digit of the output and each said charged particle beam source coincide with each other.